

Weekly Metrics for July 28 – August 3, 2002

Mission (Launch Date)	Instrument	Category	Data Center	RQMTS (GB)	Requirements *	Actual (GB)	Footnote
Aqua (5/02)	AIRS	L0 Ingest	GSFC	98	1X Baseline	91	
		L1 Prod	GSFC	400	1X Baseline	124	A
		Archive	GSFC	498	1X Baseline	215	A
	AMSR-E	L0 Ingest	NSIDC	10	1X Baseline	1.6	B
		L1 Ingest	NSIDC	10	1X Baseline	5.6	C
		L2 Prod	NSIDC	12	0.5X Baseline	0	C
		Archive	NSIDC	32	Baseline	7.2	C
	MODIS	L0 Ingest	GSFC	469	1X Baseline	45	D
		L1 Prod	GSFC	2,498	1X Baseline	1,026	D
		L2-L4 Prod	MODAPS	801	0.5X Baseline	3,253	
		Archive	EDC	540	Baseline	1,371	
			GSFC	3,172	Baseline	2,902	D
			NSIDC	56	Baseline	51	
		Distribution	GSFC				
		Testing/QA		362	IT Requirements	171	
		SIPS Production				205	
METEOR 3M (12/01)	SAGE III	Archive	LaRC	0.8	1X Baseline	0.6	
Terra (12/99)	ASTER	L1A Ingest	EDC	680	1X Baseline	90	E
		L1B Ingest	EDC	271	1X Baseline	19	E
		L2-L3 Prod	EDC	1,203	3X Baseline	124	E
		Archive	EDC	2,154	Baseline	233	E
		Distribution	EDC				
	CERES	End Users		1,352	1X Baseline	5,479	M, N, O, P
		Archive	LaRC	331	Baseline	212	
		Distribution	LaRC				
	MISR	Testing/QA		1,421	IT Requirements	211	
		End Users		117	1X Baseline	165	M, N, O
		L0 Ingest	LaRC	249	1X Baseline	260	
		L1 Prod	LaRC	3,323	3X Baseline	2,226	F
		L2-L3 Prod	LaRC	281	3X Baseline	79	F
	MODIS	Archive	LaRC	3,853	Baseline	2,578	F
		Distribution	LaRC				
		End Users		1,201	1X Baseline	77	G, M, N, O
		L0 Ingest	GSFC	469	1X Baseline	525	
		L1 Prod	GSFC	7,494	3X Baseline	2,719	H
		L2-L4 Prod	MODAPS	14,254	3X Baseline	9,750	H
		Archive	EDC	8,606	Baseline (L2-L4)	2,026	H, I
			GSFC	12,772	Baseline (L0-L4)	10,937	H, I
			JPL	0	Baseline (L2-3)	110	
			NSIDC	839	Baseline (L2-L3)	30	H, I
		Distribution	EDC				
		End Users		2,869	1X Baseline	924	G, M, N, O
		Distribution	GSFC				
		Testing/QA		362	IT Requirements	469	
		SIPS Production				9,198	
		End users		4,101	1X Baseline	1,621	G, N, O
		Distribution	JPL				
		End Users		0	Baseline	4	
		Distribution	NSIDC				
		End Users		280	1X Baseline	19	G, M, N
	MOPITT	L0 Ingest	LaRC	1.9	1X Baseline	2	
		L1 Prod	SIPS	1.7	3X Baseline	0	I
		L2 Prod	SIPS	1.7	3X Baseline	0	I

		Archive Distribution <i>End Users</i>	LaRC LaRC	5.3 1	Baseline 1X Baseline	2 5	I M, N, O
Landsat-7 (4/99)	ETM+	Archive Distribution	EDC EDC	1,071 58	250 Scenes ECS ICD	1,036	
Jason-1 (12/01)	Poseidon 2	Archive (L0+) Distribution	JPL JPL	NA	NA	1 10	
QuikScat (6/99)	SeaWinds	Archive (L0+) Distribution	JPL JPL	109	Weekly Average	30 500	K
TOPEX (8/92)	Poseidon	Archive (L1+) Distribution	JPL JPL	24	Weekly Average	0.1 13	K
Other Missions	AVHRR	Archive (L2+) Distribution	JPL JPL	NA	NA	48 72	L

Notes:

- A. Includes data volumes for 3 instruments (AIRS, AMSU, and HSB). Only L0 and a limited number of L1A products have been produced, as planned at this timeframe in the mission.
- B. The actual L0 data rate from AMSR-E is 6.6 GB/week. This is lower than ESDIS baseline requirement. Updating of the baselined requirement is in process. NSIDC did not ingest and archive L0 data during the Aqua safe mode period, except for small amount of L0 data archived on 7/30.
- C. NSIDC received one week batch of L1A data generated by NASDA through JPL. According to plans, no AMSR-E L2 product was ingested and archived during this reporting period.
- D. At 20:23 GMT on July 29, the Aqua entered Earth pointing safe mode and all instruments are in safe mode. Only a small amount of Aqua MODIS L0 and L1 data were ingested and archived.
- E. Volumes of ASTER L1A and L1B products are a function of production at ERSDAC in Japan. L1A and L1B volumes include the expedited data sets generated at EDC. ASTER L2 products are produced on demand, and the actual volumes may be significantly different from requirements.
- F. No processing was done on 7/29 due to scheduled maintenance.
- G. Distribution requirements represent the delivered capacity for distribution. Because distribution is based on user orders, the actual distribution volumes may be significantly different from the available capacity.
- H. Little reprocessing was done except for ocean products, as planned by MODIS science team.
- I. Ingest/archival of MODIS L2+ products is dependent on MODAPS reprocessing schedule.
- J. According to plans, L1 and L2 data are not sent on a daily basis from the MOPITT SIPS to the DAAC.
- K. Distribution requirements are weekly averages of media distribution volumes based on subscriptions for a full year. There is currently no media distribution for JASON and AVHRR SST products.
- L. Includes distribution of educational materials in addition to AVHRR SST.
- M. Does not include distribution by subscription
- N. Does not include distribution by subsetting tool
- O. Does not include distribution by data pool
- P. Currently there is about 44 TB backlog against hard media distribution and it is increasing slowly.

* Baseline requirements refer to the September 2000 EOSDIS technical baseline (i.e., 3 X Baseline means three times the baseline). The QA requirements for distribution are the Level 2 requirements based on inputs from instrument teams (ITs).